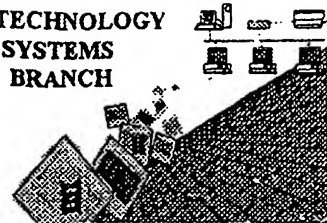


**RAW SEQUENCE LISTING
ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: US/10/731,642
Source: PCT
Date Processed by STIC: 12/30/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 10/08/03



P1

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/731,642

DATE: 12/30/2003

TIME: 11:57:35

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Output Set: N:\CRF4\12302003\J731642.raw

3 <110> APPLICANT: MENE-SAFFRANE, Laurent
 4 ESQUERRE-TUGAYE, Marie-Therese
 5 FOURNIER, Joelle
 6 BEFFA, Roland
 7 GROSJEAN-COURNOYER Marie-Claire
 9 <120> TITLE OF INVENTION: LIPOXYGENASE OVEREXPRESSION IN PLANTS
 10 AND REDUCTION IN PLANT SENSITIVITY TO
 11 DISEASES AND TO ATTACKS FROM PATHOGENIC
 12 ORGANISMS
 14 <130> FILE REFERENCE: A36097-PCT-USA-A 072667.0192
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/731,642
 C--> 17 <141> CURRENT FILING DATE: 2003-12-08
 19 <150> PRIOR APPLICATION NUMBER: PCT/FR02/01943
 20 <151> PRIOR FILING DATE: 2002-06-06
 W--> 22 French Patent Application No. filed June 7, 2001 and French Patent Application
 W--> 23 No. FR 01/14358 filed November 7, 2001
 25 <150> PRIOR APPLICATION NUMBER: FR 01/07470
 26 <151> PRIOR FILING DATE: 2001-06-07
 28 <150> PRIOR APPLICATION NUMBER: FR 01/14358
 29 <151> PRIOR FILING DATE: 2001-11-07
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 36 <211> LENGTH: 862
 37 <212> TYPE: PRT
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 51 35 40 45
 53 Gly Arg Arg Val Ser Leu Glu Leu Ile Ser Ser Val Asn Ala Asp Pro
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 56 Ala Asn Gly Leu Gln Gly Lys Arg Ser Lys Ala Ala Tyr Leu Glu Asn
 57 65 70 75 80
 59 Trp Leu Thr Asn Ser Thr Pro Ile Ala Ala Gly Glu Ser Ala Phe Arg
 60 85 90 95
 62 Val Thr Phe Asp Trp Asp Asp Glu Glu Phe Gly Val Pro Gly Ala Phe
 63 100 105 110

Does Not Comply
 Corrected Diskette Needed
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 then <309> must be inserted
 with a response

RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/731,642

TIME: 11:57:35

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Output Set: N:\CRF4\12302003\J731642.raw

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69      130      135      140
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72 145      150      155      160
74 Asn Gln Ala Tyr Leu Pro Ser Glu Thr Pro Asp Thr Leu Arg Lys Tyr
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78      180      185      190
80 Glu Glu Trp Asp Arg Val Tyr Asp Tyr Ala Tyr Tyr Asn Asp Leu Gly
81      195      200      205
83 Asp Pro Asp Lys Gly Gln Asp Leu Ser Arg Pro Val Leu Gly Gly Ser
84      210      215      220
86 Ser Glu Tyr Pro Tyr Pro Arg Arg Gly Arg Thr Gly Arg Lys Pro Thr
87 225      230      235      240
89 Lys Thr Asp Pro Asn Ser Glu Ser Arg Ile Pro Leu Leu Met Ser Leu
90      245      250      255
92 Asp Ile Tyr Val Pro Arg Asp Glu Arg Phe Gly His Ile Lys Leu Ser
93      260      265      270
95 Asp Phe Leu Thr Phe Ala Leu Lys Ser Ile Val Gln Leu Leu Leu Pro
96      275      280      285
98 Glu Phe Lys Ala Leu Phe Asp Ser Thr His Asn Glu Phe Asp Ser Phe
99      290      295      300
101 Glu Asp Val Leu Lys Leu Tyr Glu Gly Gly Ile Lys Leu Pro Gln Gly
102 305      310      315      320
104 Pro Leu Leu Lys Ala Ile Thr Asp Ser Ile Pro Leu Glu Ile Leu Lys
105      325      330      335
107 Glu Leu Leu Arg Ser Asp Gly Glu Gly Leu Phe Lys Tyr Pro Thr Pro
108      340      345      350
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111      355      360      365
113 Gly Arg Glu Met Leu Ala Gly Val Asn Pro Val Ile Ile Ser Arg Leu
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117 385      390      395      400
119 Gln Asn Ser Thr Ile Thr Arg Glu Gln Ile Glu Asp Lys Leu Asp Gly
120      405      410      415
122 Leu Thr Ile Asp Glu Ala Ile Lys Thr Asn Arg Leu Phe Ile Leu Asn
123      420      425      430
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126      435      440      445
128 Asp Thr Lys Thr Tyr Ala Ser Arg Thr Leu Leu Phe Leu Gln Asp Asn
129      450      455      460
131 Gly Thr Leu Lys Pro Ser Ala Ile Glu Leu Ser Leu Pro His Pro Asp
132 465      470      475      480
134 Gly Asp Gln Phe Gly Ala Val Ser Lys Val Tyr Thr Pro Ala Asp Gln
135      485      490      495
137 Gly Val Glu Gly Ser Ile Trp Gln Leu Ala Lys Ala Tyr Ala Ala Val

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RAW SEQUENCE LISTING

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DATE: 12/30/2003

TIME: 11:57:35

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Output Set: N:\CRF4\12302003\J731642.raw

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140 Asn Asp Ser Gly Val His Gln Leu Ile Ser His Trp Leu Asn Thr His
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144          530          535          540
146 Leu His Pro Ile Tyr Lys Leu Leu His Pro His Phe Arg Glu Thr Met
147 545          550          555          560
149 Asn Ile Asn Ala Leu Ala Arg Gln Ile Leu Ile Asn Gly Gly Gly Leu
150          565          570          575
152 Leu Glu Leu Thr Val Phe Pro Ala Lys Tyr Ser Met Glu Met Ser Ala
153          580          585          590
155 Val Val Tyr Lys Asp Trp Val Phe Pro Glu Gln Ala Leu Pro Thr Asp
156          595          600          605
158 Leu Ile Lys Arg Gly Val Ala Val Glu Asp Ser Ser Ser Pro Leu Gly
159          610          615          620
161 Ile Arg Leu Leu Ile Gln Asp Tyr Pro Tyr Ala Val Asp Gly Leu Lys
162 625          630          635          640
164 Ile Trp Ser Ala Ile Lys Ser Trp Val Thr Glu Tyr Cys Asn Tyr Tyr
165          645          650          655
167 Tyr Lys Ser Asp Asp Ala Val Gln Lys Asp Thr Glu Leu Gln Ala Trp
168          660          665          670
170 Trp Lys Glu Leu Arg Glu Glu Gly His Gly Asp Lys Lys Asp Glu Pro
171          675          680          685
173 Trp Trp Pro Lys Met Gln Thr Val Gln Glu Leu Ile Asp Ser Cys Thr
174          690          695          700
176 Ile Thr Ile Trp Ile Ala Ser Ala Leu His Ala Ala Val Asn Phe Gly
177 705          710          715          720
179 Gln Tyr Pro Tyr Ala Gly Tyr Leu Pro Asn Arg Pro Thr Leu Ser Arg
180          725          730          735
182 Asn Phe Met Pro Glu Pro Gly Ser Pro Glu Tyr Glu Glu Leu Lys Thr
183          740          745          750
185 Asn Pro Asp Lys Val Phe Leu Lys Thr Ile Thr Pro Gln Leu Gln Thr
186          755          760          765
188 Leu Leu Gly Ile Ser Leu Ile Glu Ile Leu Ser Arg His Ser Ser Asp
189          770          775          780
191 Thr Leu Tyr Leu Gly Gln Arg Glu Ser Pro Glu Trp Thr Lys Asp Gln
192 785          790          795          800
194 Glu Pro Leu Ser Ala Phe Ala Arg Phe Gly Lys Lys Leu Ser Asp Ile
195          805          810          815
197 Glu Asp Gln Ile Met Gln Met Asn Val Asp Glu Lys Trp Lys Asn Arg
198          820          825          830
200 Ser Gly Pro Val Lys Val Pro Tyr Thr Leu Leu Phe Pro Thr Ser Glu
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209 <212> TYPE: DNA
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RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/731,642

TIME: 11:57:35

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 213 <223> OTHER INFORMATION: Artificial sequence description: *delete*
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 217 <221> NAME/KEY: promoter
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 236 agcagcacac gcttgtctac tccaaaaata tcaagatac agtctcagaa gaccaaagg 180
 238 caattgagac ttttcaacaa agggtaatat ccggaaacct cctcggattc cattgcccag 240
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 246 aagtggattg atgtgatatc tccactgacg taagggatga cgacacaatcc cactatcctt 480
 248 cgcaagaccc ttcctcctat aaggaagttc atttcatttg gagaggacac gcggtaccca 540
 250 aa atg ttt ctg gag aag att gtg gat gca atc aca ggg aaa gat gat 587
 251 Met Phe Leu Glu Lys Ile Val Asp Ala Ile Thr Gly Lys Asp Asp
 252 1 5 10 15
 254 gga aaa aag gta aaa gga aca gtg gtt ttg atg aag aaa aat gtt ttg 635
 255 Gly Lys Lys Val Lys Gly Thr Val Val Leu Met Lys Lys Asn Val Leu
 256 20 25 30
 258 gat ttt act gat att aat gcc tca gtt ctt gat gga gtt ctt gag ttc 683
 259 Asp Phe Thr Asp Ile Asn Ala Ser Val Leu Asp Gly Val Leu Glu Phe
 260 35 40 45
 262 ctt ggt cgg agg gtc tct ctc gag ttg atc agt tct gtt aat gct gat 731
 263 Leu Gly Arg Arg Val Ser Leu Glu Leu Ile Ser Ser Val Asn Ala Asp
 264 50 55 60
 266 cct gca aat ggt tta caa ggg aaa cgc agc aaa gca gca tat ttg gag 779
 267 Pro Ala Asn Gly Leu Gln Gly Lys Arg Ser Lys Ala Ala Tyr Leu Glu
 268 65 70 75
 270 aac tgg cta aca aat agc acc cca ata gca gca ggt gaa tca gca ttt 827
 271 Asn Trp Leu Thr Asn Ser Thr Pro Ile Ala Ala Gly Glu Ser Ala Phe
 272 80 85 90 95
 274 aga gtc aca ttt gat tgg gat gat gag gaa ttt gga gtt cca gga gca 875
 275 Arg Val Thr Phe Asp Trp Asp Asp Glu Glu Phe Gly Val Pro Gly Ala
 276 100 105 110
 278 ttc att atc aag aac ttg cat ttt agt gag ttc ttc ctc aag tca ctc 923
 279 Phe Ile Ile Lys Asn Leu His Phe Ser Glu Phe Phe Leu Lys Ser Leu
 280 115 120 125

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287 Ser Trp Val Tyr Pro Ala Asn Lys Tyr Lys Ser Asp Arg Ile Phe Phe
288      145      150      155
290 gcg aat cag gct tat cta cca agt gaa aca cca gac aca ttg cga aaa 1067
291 Ala Asn Gln Ala Tyr Leu Pro Ser Glu Thr Pro Asp Thr Leu Arg Lys
292 160      165      170      175
294 tac aga gaa aat gaa tta gta acc tta aga gga gat gga act gga aag 1115
295 Tyr Arg Glu Asn Glu Leu Val Thr Leu Arg Gly Asp Gly Thr Gly Lys
296      180      185      190
298 ctt gag gaa tgg gat aga gtt tat gac tat gct tac tac aat gac ttg 1163
299 Leu Glu Glu Trp Asp Arg Val Tyr Asp Tyr Ala Tyr Tyr Asn Asp Leu
300      195      200      205
302 ggt gat cca gac aaa ggc caa gat ttg tca agg cct gtc tta gga gga 1211
303 Gly Asp Pro Asp Lys Gly Gln Asp Leu Ser Arg Pro Val Leu Gly Gly
304      210      215      220
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307 Ser Ser Glu Tyr Pro Tyr Pro Arg Arg Gly Arg Thr Gly Arg Lys Pro
308      225      230      235
310 acc aaa aca gat cct aat tcc gag agc agg att cca ttg ctt atg agc 1307
311 Thr Lys Thr Asp Pro Asn Ser Glu Ser Arg Ile Pro Leu Leu Met Ser
312 240      245      250      255
314 tta gac ata tat gtg cca agg gac gag cga ttt ggt cat ata aag ttg 1355
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316      260      265      270
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320      275      280      285
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328      305      310      315
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331 Gly Pro Leu Leu Lys Ala Ile Thr Asp Ser Ile Pro Leu Glu Ile Leu
332 320      325      330      335
334 aaa gaa ctc ctt cga agt gat ggt gaa ggc cta ttt aag tac cca act 1595
335 Lys Glu Leu Leu Arg Ser Asp Gly Glu Gly Leu Phe Lys Tyr Pro Thr
336      340      345      350
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339 Pro Gln Val Ile Gln Glu Asp Lys Thr Ala Trp Arg Thr Asp Glu Glu
340      355      360      365
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RAW SEQUENCE LISTING ERROR SUMMARY
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DATE: 12/30/2003
TIME: 11:57:36

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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 22

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/731,642

DATE: 12/30/2003

TIME: 11:57:36

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Output Set: N:\CRF4\12302003\J731642.raw

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:259 W: Allowed number of lines exceeded, <151> PRIOR FILING DATE:
L:23 M:259 W: Allowed number of lines exceeded, <151> PRIOR FILING DATE:
L:43 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:1